

**DEPARTMENT OF TRANSPORTATION**

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch  
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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 99.28**WELDING INSPECTION REPORT****Resident Engineer:**Siegenthaler, Peter**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-021067**Date Inspected:** 26-Jan-2010**Project Name:** SAS Superstructure**OSM Arrival Time:****Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:****Contractor:** Zhenhua Port Machinery Corporation, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China**CWI Name:** Wang Liang**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** Side Panel Railing, AH3151A**Summary of Items Observed:**

On this date Caltrans OSM Quality Assurance (QA) Inspector, Delbert Humphrey was present during the times noted above for observations relative to the work being performed at ZPMC.

OBG Bay # 1

WELDING

This QA observed the following components in this bay Travelers 20TR2-038, 20TR2-037 and steel barrier E2-SB12-001-001, 002, 003. This QA observed no work being performed on the above mentioned components during the time QA was present.

OBG Bay # 3

WELDING

This QA Inspector observed the following work in progress:

SMAW welding of AH3151A-112, located on Side Panel Railing for Lift 13B, identified as AH3151A, welder is identified as 058102, ZPMC Quality Control (QC) is identified as Wang Liang. The welding variables recorded by QC appeared to comply with WPS-B-P-2113.

ZMPC Quality Control was performing MT testing on Traveler Rail 20T2-032-009, 013,015,017,011.

OBG Bay # 8

WELDING

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This QA observed the following components in this bay, OBG, BK004A2-063. This QA observed no work being performed on the above mentioned components during the time QA was present.

OBG Bay # 16

WELDING

This QA observed the following components in this bay Steel Barriers W5-SB15-001, W5-SB15-002, W5-SB15-003. This QA observed no work being performed on the above mentioned components during the time QA was present. Barriers had been welded on one side and back gouged on other side.

OBG Bay # 28

WELDING

This QA Inspector observed the following work in progress:

Inspected slotted holes on base plate SP5-P-08-1 on Services Platform SP4, SP7, SP8. The slotted holes appeared to comply with RFI-293-RO.

OBG Bay # 3

NDT

The following NDT performed ZPMC NDT notification 08294:

This QA inspector performed MT testing on 15% of an area that has been previously tested and accepted by ZPMC Quality Control (QC) personnel. This QA Inspector Delbert Humphrey generated an MT report for this date. Time of inspection was 15:05 hours. The members are identified as follows Traveler Rails. The weld designations reviewed are as follow: 20TR-032-009,013,015,017,011..

Unless otherwise noted, all work observed on this date appeared to be in general compliance with the applicable contract documents.



### Summary of Conversations:

No relevant conversations were reported on this date.

### Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Eric Tsang, 15000422372, who represents the Office of Structural Materials for your project.

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<b>Inspected By:</b>	Humphrey, Delbert	Quality Assurance Inspector
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<b>Reviewed By:</b>	Hall, Steven	QA Reviewer
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